



# COMMONWEALTH of VIRGINIA

*Department of Health*  
*DIVISION OF SHELLFISH SANITATION*  
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## **COBHAM BAY AND LAWNES CREEK Growing Area #60 Isle of Wight and Surry Counties Shoreline Sanitary Survey**

**Date: March 5, 2004**

**Survey Period: May 24, 2002 – October 23, 2003**

**Total Number of Properties Surveyed: 1114**

**Surveyed By: H. R. Barker, J. D. Dickerson, J. E. Merritt, and J. H. Ray**

### **SECTION A - GENERAL**

This survey area extends from Reference Point 61 at Cobham Wharf to Reference Point 62 at the end of Route 703, including the James River shoreline between these two points, Cobham Bay, Cedar Field Creek, Blizzards creek, College Run (Mill Farm Run), Lower Chippokes Creek (Castle Mill Run), Homewood Creek, Hog Island Creek, Hunnicut Creek, Lawnes Creek (Pierce Creek, Pooles Creek, and Slade Pond), and all of their tributaries.

Topography of this area is characterized by land elevations ranging from approximately sea level at the James River shoreline to 80' on adjacent bluffs. 100' elevations are found further inland, which descend into large areas of wetlands. Wetlands are especially prominent in the Hog Island and Lawnes Creek areas.

This is a moderately populated, slowly growing area with small communities of summer homes situated at Cobham Wharf, Bailey's Beach, and Holly Point. Most homes, except for those located in the summer beach communities, are located on well elevated land. The economy is based on agriculture, fishing, tourism, power generation, and small business. Agriculture is based on dairy, beef, cotton, and peanut farms. Hog farming, once common in the area, is no longer prevalent. The Surry Nuclear Power Station is located at the base of Hog Island Point. The plant draws and discharges cooling water as required directly from the James River on either side of Hog Island Point respectively.

On September 18, 2003 Hurricane 'Isabel' passed through the survey area causing extensive damage. Many, though not all, of the beach front summer cottages were very severely damaged or completely destroyed by storm surge, wave action, and landslides from over hanging bluffs. Some bluff top homes now sit perilously close to the bluffs' edges and many other elevated properties included in this survey were damaged to varying degrees by high winds and the associated downing of large numbers of mature trees. Numerous houses have been temporarily condemned pending completion of repairs.

Meteorological data indicated that the area received a total rainfall of 95.94" for the survey period. A monthly breakdown is as follows:

<u>Month</u>	<u>2002</u>	<u>2003</u>
January	-----	2.83
February	-----	5.64
March	-----	4.12
April	-----	8.22
May	0.00 (5/23-30/02)	5.34
June	1.81	5.52
July	2.00	8.56
August	3.18	16.00
September	2.65	12.88
October	5.71	0.77 (10/1-23/03)
November	6.26	-----
December	4.45	-----

There are significant wildlife populations at the Hog Island National Wildlife Refuge. Especially notable is a large seasonal egret rookery located on the tract. The Refuge also contains a large system of drainage canals.

The current restrictions on shellfish harvesting are Condemned Shellfish Area # 69, Upper James River, revised November 9, 1994; and Condemned Shellfish Area # 206, Tylers Beach Boat Basin, revised November 10, 1998. A copy of the current condemnation notices and map is attached to the back of this report.

Information in this report is gathered by and primarily for use of the Division of Shellfish Sanitation, Virginia Department of Health, in order to fulfill its responsibilities of shellfish growing area supervision and classification. However, the data are made available to various agencies participating in shellfish program coordinated activities or other interested parties. The Engineering Appendix is available by request from the Richmond Office of the Division of Shellfish Sanitation.

Report copies are provided to the local health department for corrective action of deficiencies listed on the summary page in Sections B. 2. and B. 3. and the Department of Environmental Quality for possible action at properties listed on the summary page in Sections B. 1., C. 1. and C. 2. The Division of Soil and Water Conservation is provided information on possible sources of animal pollution found in Section E.

This report lists only those properties that have a sanitary deficiency or have other environmental significance. **"DIRECT"** indicates that the significant activity or deficiency has a direct impact on shellfish waters. Individual field forms with full information on properties listed in this report are on file in the Richmond Office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent survey of the area.

## SECTION B: SEWAGE POLLUTION SOURCES

### SEWAGE TREATMENT FACILITIES

19. **DIRECT** – Virginia Power Surry Nuclear Power Plant, Hog Island Road, Surry 23883. (Virginia Power, Richmond 23230). Has VPDES permit #VA 004090 from Department of Environmental Quality. Treatment consists of a Parshall Flume comminutor, bar screen, flow splitter, dual aeration tanks, dual settling tanks, dual chlorine contact tanks, and sludge drying beds. Final discharge of effluent is into the power plant cooling water canal leading into Cobham Bay. Design flow is 85,000 gpd. See engineering Appendix for more information.

### ON-SITE SEWAGE DEFICIENCIES

1. NO FACILITIES – Location: Lot # 12 Cobham Bluff Lane, Surry 23883. Dwelling - beige and olive camper trailer in mobile home park. No contact. Occupied, but not connected to a septic tank. No evidence of sanitary facilities. Sanitary Notice issued 5-24-02 to field #A12.
2. CONTRIBUTES POLLUTION – Location: Lot # 13 Cobham Bluff Lane, Surry 23883. Business- empty mobile home lot. No contact. Broken sewage drain line with septic effluent erupting to ground surface. Septic odor and green algal mat present. Sanitary Notice issued 5-24-02 to field #A13.
10. CONTRIBUTES POLLUTION – Occupant: Chippokes Plantation State Park (R.J. Kuykedall, Chief Ranger), 695 Chippokes Plantation Road, Surry 23883. Owner: Commonwealth of Virginia, Department of Conservation and Recreation, Division of State Parks, Richmond. Dwelling - White painted wood frame 2-story. Drain line cut during electrical cable repair. Septic effluent erupting onto ground surface. Septic odor and algal mat present. Sanitary Notice issued 3-27-03 to field #A312.
13. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Occupant: Tommy Chapman, 6690 Colonial Trail East, Surry 23883. Owner: Ray Rickman, Hog Island Road, Surry 23883. Dwelling – white frame 3 story. Thrift store and residence. 2 persons. Laundry waste drains through 2" red hose from clothes washer on screened back porch onto ground surface. Sanitary Notice issued 5-24-02 to field #B1.
14. CONTRIBUTES POLLUTION – William Warren, 6074 Colonial Trail East, Surry 23883. Dwelling – white frame 1 story with beige vinyl siding. 1 person. Septic tank lid open, exposing contents; and effluent erupting from septic tank to ground surface. Sanitary Notice issued 5-24-02 to field #B2.
16. CONTRIBUTES POLLUTION – Gary Williams, 670 Ellersley Drive, Surry 23883. Dwelling – brown and red house trailer. 1 person. Effluent erupting from end of drainfield onto ground surface. Sanitary Notice issued 6-20-02 to field #B27.

18. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 2655 Hog Island Road, Surry 23883. Dwelling - green and white house trailer. No Contact. Kitchen wastes draining through 3" black hose from house onto ground surface. Sanitary Notice issued 6-14-02 to field #B41.
22. CONTRIBUTES POLLUTION – Ms. Harrison, 3730 Hog Island Road, Surry 23883. Dwelling - Faux gray wood house trailer with white skirt. No Contact. Unapproved wooden lid used to cover septic tank. Sanitary Notice issued 6-19-02 to field #B82.
23. CONTRIBUTES POLLUTION – Location: Retreat Lane, Surry 23883. Dwelling - white house trailer. No Contact. Septic tank lid missing, exposing contents. Sanitary Notice issued 6-28-02 to field #B91.
24. CONTRIBUTES POLLUTION – Location: Retreat Lane, Surry 23883. Dwelling - green and white house trailer. No Contact. Evidence of recent eruption from open pipe between house and septic tank. Sanitary Notice issued 6-28-02 to field #B92.
25. CONTRIBUTES POLLUTION – Location: 3182 Hog Island Road, Surry 23883. Dwelling - Green and white house trailer with brown trim. No Contact. Unapproved wooden lid used to cover septic tank. Sanitary Notice issued 6-28-02 to field #B93.
27. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Occupant: Tanya Riker, 63 Flowerdew Lane, Surry 23883. Owner: Ernest Poole, 8621 Colonial Trail East, Surry 23883. Dwelling- Beige and white house trailer. 4 persons. Kitchen wastes draining from broken pipe under trailer onto ground surface. Sanitary Notice issued 7-12-02 to field #B129.
28. CONTRIBUTES POLLUTION – Occupant: Eric Judkins, 100 Flowerdew Lane, Surry 23883. Owner: Earnest Poole, 8621 Colonial Trail East, Surry 23883. Dwelling- faux brown wood house trailer. 4 persons. Effluent erupting from drainfield onto ground surface. Sanitary Notice issued 7-19-02 to field #B135.
29. CONTRIBUTES POLLUTION – Occupant: Fannie Thompson, 92 Flowerdew Lane, Surry 23883. Owner: Ernest Poole, 8621 Colonial Trail East, Surry 23883. Dwelling - faux green and white wood house trailer. 1 person. Effluent erupting from drainfield onto ground surface. Sanitary Notice issued 7-19-02 to field #B136.
30. NO FACILITIES – Location: 1140 Burnt Mill Road, Surry 23883. Dwelling – white frame 1 story with green trim. Dwelling - No Contact. No privy present. Sanitary Notice issued 8-8-02 to field #B192.
40. NO FACILITIES - Location: 484 Mount Ray Drive, Surry 23883. Owner: Willie Rose Thompson, 472 Mount Ray Drive, Surry 23883. Dwelling - 1 story brown frame with white trim. 2 persons. Unusable privies on property. Sanitary Notice issued 3-27-03 to field #B303.

41. NO FACILITIES – Willie Rose Thompson, 472 Mount Ray Drive, Surry 23883. Dwelling- 1 story gray frame with black trim. 2 persons. Unusable privies scattered around the property. Sanitary Notice issue 3-27-03 to field #B304.
42. CONTRIBUTES POLLUTION – Location: Mount Ray Drive, Surry 23883. Owner: Owner Willie Rose Thompson, Mount Ray Drive, Surry 23883. 1 story white frame. 2 persons. 4" white PVC straight pipe discharges into cesspool with tin lid at rear of house; and  
  
CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – 2" white PVC pipe discharges from kitchen area onto ground surface behind house. Sanitary Notice issued 3-27-03 to field #B305.
43. NO FACILITIES - Location: Mount Ray Drive, Surry 23883. Owner: Willie Rose Thompson, 482 Mount Ray Drive, Surry 23883. Dwelling - 1 story gray and yellow frame. Unusable privy on adjacent property. Sanitary Notice issued 3-27-03 to field #B306.
45. CONTRIBUTES POLLUTION – Location: 6822 Colonial Trail East, Surry 23883. Dwelling - turquoise blue and white house trailer. No contact. Effluent erupting from drainfield onto ground surface at rear of trailer. Sanitary Notice issued 5-29-03 to field #B318.
48. CONTRIBUTES POLLUTION – Gladys Bailey, 388 Hillside Lane, Surry 23883. Dwelling - 1 story white vinyl siding with green trim. 1 person. Effluent erupting from drainfield onto ground surface in front yard. Sanitary Notice issued 5-29-03 to field #B333.
52. CONTRIBUTES POLLUTION - Location: 5500 Old Stage Highway, Smithfield 23430. Dwelling- 2 story white vinyl siding, (old service station). No contact. Effluent erupting from drainfield onto ground surface. Sanitary Notice issued 9-10-03 to field #B380.
54. CONTRIBUTES POLLUTION – Location: 5470 Old Stage Highway, Smithfield 23430. Dwelling – white vinyl siding 2-story. No contact. Effluent erupting from distribution box onto ground surface. Sanitary Notice issued 3-27-03 to field #C248.
55. CONTRIBUTES POLLUTION – Location: 5396 Old Stage Highway, Smithfield 23430. Dwelling – white frame 2 story with black shutters. No contact. Effluent erupting from drainfield onto ground. Sanitary Notice issued 3-27-03 to field #C249.
56. CONTRIBUTES POLLUTION – Location: 5344 Tillery Lane, Smithfield 23430. Dwelling – white siding house trailer. No contact. Effluent erupting from broken sewage pipe leading to septic tank. Sanitary Notice issued 3-27-03 to field #C250.

57. CONTRIBUTES POLLUTION – Sandra Debnam, 13611 Track Lane, Smithfield 23430. Dwelling – Gray asbestos siding 1 story with black shutters. 1 person. Effluent draining onto ground from broken sewage pipe. Sanitary Notice issued 5-20-03 to field #C57.
58. CONTRIBUTES POLLUTION - Irene Jones, 13655 Track Lane, Smithfield 23430. Dwelling - brick 1 story with white trim and shutters. 3 persons. Effluent erupting from drainfield onto ground surface. Sanitary Notice issued 5-20-03 to field #C62.
59. CONTRIBUTES POLLUTION – Artis Harris, 13667 Track Lane, Smithfield 23430. Dwelling – white vinyl siding 1 story with red shutters. 1 person. Effluent erupting from septic tank onto ground. Sanitary Notice issued 5-20-03 to field #C63.
60. CONTRIBUTES POLLUTION (Kitchen or laundry Wastes) – Anthony Turner, Jr., 4820 Old Stage Highway, Smithfield 23430. Dwelling - brick 1 story with black shutters and white trim. 3 persons. Laundry waste discharging from 2" white PVC pipe onto driveway adjacent house. Sanitary Notice issued 6-11-03 to field #C96.
61. CONTRIBUTES POLLUTION – Willie Key, 13419 Martha Circle, Smithfield 23430. Dwelling – wood siding 1 story. 5 persons. Effluent erupting from drainfield onto ground surface in back and side yard. Sanitary Notice issued 6-20-03 to field #C128.
62. CONTRIBUTES POLLUTION – Rushmere Station , 4761 Old Stage Highway, Smithfield 23430. Dwelling – brick one story commercial building with white trim. Effluent erupting from drainfield onto ground surface in grass area. Sanitary Notice issued 7-24-03 to field #C175.
64. CONTRIBUTES POLLUTION – Location: 3456 Fort Huger Drive, Smithfield 23430. Dwelling – tan vinyl sided trailer with green shutters. No contact. Effluent erupting from drainfield onto ground surface on side of yard. Sanitary Notice issued 7-24-03 to field #C211.
65. CONTRIBUTES POLLUTION – Charlie Spratley, 3342 Fort Huger Drive, Smithfield 23430. Dwelling - tan vinyl sided trailer with brown shutters. No contact. Effluent erupting from drainfield onto ground surface in back of yard beside driveway. Sanitary Notice issued 7-24-03 to field #C215.
67. CONTRIBUTES POLLUTION – Geneva Roberts, 14259 Tylers Beach Road, Smithfield 23430. Dwelling – tan and brown house trailer. 2 persons. Effluent erupting from septic tank onto ground surface below and in front of trailer. Sanitary Notice issued 7-31-03 to field #C238.

69. CONTRIBUTES POLLUTION – Location: 5263 Old Stage Highway, Smithfield 23430. Dwelling- blue frame and asbestos shingle 2-story with white trim. Effluent erupting from drainfield onto ground surface; and

CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Laundry waste draining through 4" black plastic hose onto ground. Sanitary Notice issued 5-15-03 to field #C22.

### **POTENTIAL POLLUTION**

4. Purnell Watson, 3150 Colonial Trail East, Surry 23884. Dwelling– white aluminum 1 ½ story on brick with black trim and shutters. 2 persons. Owner reports difficulty flushing toilets when the soil is saturated. No evidence of discharge at the time of inspection.
7. Occupant: Marlenia Pulley, 3767 Colonial Trail East, Surry 23884. Dwelling - white vinyl 1 ½ story with white trim and gray shutters. Owner: Gladys Hill, Portsmouth. 5 persons. Occupant reports intermittent strong septic odor in area of septic tank. Faint septic odor present at the time of inspection. No evidence of failure.
32. Willie Ferguson, 422 Mantura Road, Surry 23883. Dwelling - 1 story white frame with gray trim and screened front porch. No contact. 26 junked lawn mowers, sinks, tires, and other miscellaneous junk scattered over approximately 1/3 acre.
47. Location: 15816 White Marsh Road, Surry 23883. Dwelling - 1 story brick with brown shutters. No contact. 3" white PVC pipe of undetermined origin observed terminating in bull enclosure at rear of house. Bull present.
53. Jennifer Goodwin, 14073 Wells – King Lane, Isle of Wight 23xxx. Dwelling- brown and beige house trailer. No contact. 12-15 junked lawn mowers; 10 junked cars; and varying numbers of junked washing machines and other appliances scattered over approximately 1 acre.

## **SECTION C: NONSEWAGE WASTE SITES**

### **INDUSTRIAL WASTES**

5. Occupant: Beechland Farms, Inc., end of College Run Drive, Surry 23884. Owner: Beechland Farms, Inc., 3192 Beechland Road, Elberon 23846. Business - borrow pit. No contact. Has permit # 90443AA from the Virginia Bureau of Mines.
20. Occupant: Hog Island Wildlife Management Area, Surry. Owner: Commonwealth of Virginia, Department of Inland Fisheries, 4400 West Broad Street Richmond 23221. Public- wildlife preserve. 3 employees. One 1000 gallon above ground gasoline tank and one 500 gallon above ground diesel tank

26. Occupant: Charles Lane, 2444 Hog Island Road, Surry 23883. Owner: Glen Slade, Surry. Agricultural - farm. One 750 gallon above ground tank of diesel fuel and smaller amounts of contained pesticides.

### **SOLID WASTE DUMPSITES**

6. Location: 258 College Run Drive, Surry 23884. Dwelling- White painted wood frame 1 story with black trim. No contact. Property packed with junked cars, motorcycles, bicycles, and household appliances. Strong odor of motor oil. Evidence of significant dumping of used motor oil and other hydrocarbon lubricants.
34. Surry County, Mantura Road, Surry 23883. Public – 7 trash dumpsters. No contact. Miscellaneous trash in and around the receptacles.
37. Location: Adjacent west 8758 Colonial Trail East. Owner: Earnest Poole, 8621 Colonial Trail East, Surry 23883. Business- large private dumpsite. No contact. Approximately 5 acres containing about 100 vehicles; numerous 55 gallon drums; derelict boats; scrap metal; and other debris.
38. Occupant: Parsons Garage, 8232 Colonial Trail East, Surry 23883. Owner: C. T. Parsons, 8232 Colonial Trail East 23883. Dwelling - white construction block 1 story with auto shop in rear. Approximately 7 acres containing about 100 vehicles; oil barrels; antifreeze containers; and other miscellaneous items.

### **SECTION D: BOATING ACTIVITY**

#### **MARINAS**

-None-

#### **OTHER PLACES WHERE BOATS ARE MOORED**

21. Occupant: Lawnes Creek boat ramp, Landing Road, Surry. Owner: Virginia Department of Game and Inland Waterways, 4010 West Broad Street, Richmond 23221. Public - Boat ramp. No contact. No boats were present at time of survey. The only boating service provided is an in-out ramp and small pier. There are no sanitary facilities and no boat holding tank pump-out facilities present at this location.
68. Occupant: Tylers Beach boat ramp, Tylers Beach Road, Isle of Wight County. Owner: Isle of County, P.O. Box 80, Isle of Wight County 23397. Public - Boat ramp and bulkhead-ed boat basin. No contact. Present at time of survey were 2 boats less than 26' and 12 boats greater than 26' in slips; and 4 boats greater than 26' in dry storage. The only boating service provided is an in-out ramp and small pier. Sanitary facility provided is one unisex vault privy. There is no boat holding tank pump-out facility and no portable toilet dump station at this location. There are trash cans present for solid waste disposal.



## UNDER SURVEILLANCE

-None-

### SECTION E: CONTRIBUTES ANIMAL POLLUTION

3. Richardson, 2353 Alliance Road, Surry 23884. Dwelling - log cabin 2 story with 2 dormers. No contact. Present at the time of survey were 9 goats, 6 guinea fowl, 2 pea fowl, 1 turkey, and 9 chickens, approximately 50' from Blizzard's Creek. Manure disposal is to ground surface.
8. Location: 3823 Colonial Trail, Surry 23884. Dwelling - White aluminum 1 story with green trim and shutters, and white metal awnings. No Contact. Present at the time of survey were 8 geese, 5 guinea fowl, 6 ducks, 2 choker, 80 chickens, and 1 dog, approximately 450' from Chippokes Creek. Manure disposal is to ground surface.
9. ***DIRECT*** - Gene Jones, 1579 Chippokes Farm Road, Surry 23884. Agricultural - cow pasture. No contact. Present at the time survey were approximately 100 cattle with direct access to a swampy branch of College Creek. Manure disposal is to ground surface. This inspector received two complaints from neighboring properties concerning manure odor, stream eutrophication, and mosquitoes emanating from this location.
11. Occupant: Chippokes Plantation State Park (R.J. Kuykendal, Chief Ranger), 695 Chippokes Plantation Road, Surry 23884. Owner: Commonwealth of Virginia, Department of Conservation and Recreation, Division of State Parks, Richmond. Public- cow pasture. Present at the time of survey were approximately 65 cattle without direct access to tidal water approximately 1500' from the James River. Manure is left in pasture.
12. Occupant: Hugh Epps, 4871 Colonial Trail, Surry 23884. Owner: Hugh Epps, 7031 Colonial Trail, Surry 23884. Agricultural - cow pasture. Present at the time of inspection were 15 cattle without direct access to tidal water located approximately 450' from a roadside ditch. Manure is left in pasture.
14. William Warren, 6074 Colonial Trail East, Surry 23883. Dwelling - 1 story white frame and beige vinyl siding. 1 person. Present at time of survey were 25 hounds in kennel without direct access to tidal waters; 400 yards from unnamed tributary to Lower Chippokes Creek. Manure disposal is to a pit near the kennel.
15. ***DIRECT*** - John M. Brock, Jr., 1047 Bacon Castle Trail, Surry 23883. Dwelling - 2 story cream vinyl siding with brown shutters. 5 persons. Present at time of survey were 60 cattle with direct access to Castle Mill Run tributary of Lower Chippokes Creek. Manure is left in pastures.

17. ***DIRECT*** - Stephanson 79 Ellessly Court, Surry 23883. Dwelling - white trailer with brown shutters and trim. Present at time of survey were 10 pastured pygmy goats with direct access to tributary of Lower Chippokes Creek. Manure is left in pasture.
31. Location: Burnt Mill Road, Surry 23833, (behind field #B195). Agricultural - large pasture. No contact. 15 cattle in pasture without direct access to tidal waters. Manure is left in pasture.
33. ***DIRECT*** - Hugh Epps, 7031 Colonial Trail East, Surry 23883. Agricultural - dairy farm, 2 story white vinyl siding residence. 4 persons. Present at time of survey were approximately 60 cattle with direct access to Pierce Creek. Manure is left in pastures. Mr. Epps did not wish to discuss any aspect of the operation.
35. Jim Allen, 8911 Colonial Trail East, Surry 23883. Dwelling - 2 story new construction, (no siding yet). 2 persons. Present at time of survey were 5 stabled horses without direct access to tidal waters. Manure is left in pasture and given to locals for gardens.
36. Francis Reynolds, 8967 Colonial Trail East, Surry 23883. Dwelling - white house trailer with gold trim. 3 persons. Present at time of survey were 11 horses without direct access to tidal waters. Manure is left in pastures.
39. Mount Ray Drive, Surry 23883. Dwelling - blue and white house trailer. Present at time of survey were 11 pastured goats and 11 kenneled hounds without direct access to tidal waters. Manure from goats left in pasture. Manure from dogs piled near kennels.
44. Bacon's Castle Hunt Club, Colonial Trail East, Surry 23883. Dwelling - old frame with attached kennels. No contact. Present at time of survey were approximately 40 kenneled hounds without direct access to tidal waters. Manure is left in kennels.
46. Jim Judkin, 16494 White Marsh Road, Surry 23883. Agricultural - 2 story white frame w green shutters. 1 person. Present at time of survey were 70 pastured dairy cows and 10 pastured horses without direct access to tidal waters. Manure is left in pastures.
49. James W. Bene, 889 Moonlight Road, Surry 23883. Dwelling - 1 story natural brown frame. 2 persons. Present at time of survey were 25 pastured fainting goats, 1 Tibetan Mastiff, and 10 chickens without direct access to creek 150 yards away from enclosure. Manure is left in pen.
50. Location: behind 1915 Moonlight Road, Surry 23883. Business - 3 wooden sheds behind 7' privacy fence and gate. No contact. Present at time of survey were an undetermined number of housed dogs and 6 free roaming fowl without direct access to tidal waters. Manure disposal is undetermined.

51. ***DIRECT*** - Ray P. Barlow, 6259 Barlow Lane, Smithfield 23430. Dwelling - 2 story white aluminum siding. 4 persons. Present at time of survey were 48 pastured cattle with direct access to Slades Pond which empties into Lawnes Creek. Manure is left in pasture.
63. Location: 4254 Fort Huger Drive, Smithfield 23430. Dwelling - 1 story brick with barn and pasture in rear. No contact. Present at time of survey were 3 pastured horses and 2 pastured goats without direct access to tidal waters. Manure is left in pasture.
66. Location: 14155 Lawnes Creek Road, 4. Dwelling - 1 story white vinyl siding with blue shutters and trim. 2 persons. Present at time of survey were 26 penned chickens without access to tidal waters. Manure is left in pen.

## SUMMARY

Area # 60  
COBHAM BAY AND LAWNES CREEK  
March 5, 2004

### SECTION B: SEWAGE POLLUTION SOURCES

#### 1. SEWAGE TREATMENT FACILITIES

1 - DIRECT - #19.  
0 - INDIRECT - None  
1 - B. 1. TOTAL

#### 2. ON-SITE SEWAGE DEFICIENCIES

Correction of deficiencies in this section is the responsibility of the local health department.

0 -CONTRIBUTES POLLUTION, DIRECT - None  
26 -CONTRIBUTES POLLUTION, INDIRECT - # 2, 10, 14, 16, 22, 23, 24, 25, 28, 29, 42, 45, 48,  
52, 54, 55, 56, 57, 58, 59, 61, 62, 64, 65, 67, 69  
  
0-CP (Kitchen or Laundry Wastes), DIRECT - None  
6-CP (Kitchen or Laundry Wastes), INDIRECT - # 13, 18, 27, 42, 60, 69  
  
0-NO FACILITIES, DIRECT - None  
5-NO FACILITIES, INDIRECT - #1, 30, 40, 41, 43  
37 - B. 2. TOTAL

#### 3. POTENTIAL POLLUTION -

Periodic surveillance of these properties will be maintained to determine any status change.  
5-POTENTIAL POLLUTION - #4, 7, 32, 47, 53

### SECTION C: NON-SEWAGE WASTE SITES

#### 1. INDUSTRIAL WASTE SITES

0 -DIRECT - #None  
3 -INDIRECT - # 5, 20, 26  
3- C. 1. TOTAL

#### 2. SOLID WASTE DUMPSITES

1 -DIRECT - #37  
3 -INDIRECT - #6, 34, 38  
4 - C. 2. TOTAL

### SECTION D: BOATING ACTIVITY

0 -MARINAS - None  
2 -OTHER PLACES WHERE BOATS ARE MOORED - #21, 68  
0-UNDER SURVEILLANCE - None  
2 - D TOTAL

### SECTION E: CONTRIBUTES ANIMAL POLLUTION

5-DIRECT - # 9, 15, 17, 33, 51  
15 -INDIRECT - # 3, 8,11, 12, 14, 31, 35, 36, 39, 44, 46, 49, 50, 63, 66  
20- E TOTAL





Virginia Department of Health  
Division of Shellfish Sanitation

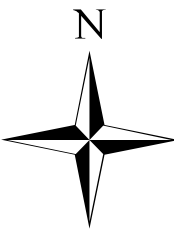
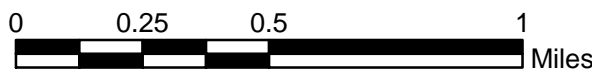
Cobham Bay and Lawnes Creek  
Growing Area # 60  
Shoreline Sanitary Survey

Isle of Wight and Surry Counties

Date: March 5, 2004

Survey By: H.R. Barker, J.D. Dickerson,  
J.E. Merritt & J.H. Ray

Number of Properties Surveyed: 1114



- Legend**
- Shoreline Survey Deficiencies**
- POLLUTION TYPE**
- ★ Sewage Treatment Facility - Direct
  - ★ Sewage Treatment Facility - Indirect
  - Contributes Pollution - Direct
  - Contributes Pollution - Indirect
  - ▲ Contributes Pollution (Kitchen or Laundry wastes) - Direct
  - ▲ Contributes Pollution (Kitchen or Laundry wastes) - Indirect
  - No Facilities - Direct
  - No Facilities - Indirect
  - ◆ Potential Pollution
  - INDUSTRIAL WASTES, direct
  - INDUSTRIAL WASTES, indirect
  - Solid Waste Dumpsite - Direct
  - Solid Waste Dumpsite - Indirect
  - ⚓ Boating Activity
  - ▲ Contributes Animal Pollution - Direct
  - ▲ Contributes Animal Pollution - Indirect
- TYPE**
- ▨ Sewered areas

Insert.1